

Abstract

A novel oriented sintered silicon carbide product, wherein α silicon carbide is orientated in an arbitrary direction and crystal orientation is controlled to an arbitrary direction; and method for preparing the oriented sintered silicon carbide product which comprises mixing α silicon carbide particles with a solvent to form an α silicon carbide slurry, solidifying the slurry, molding the resultant solid, followed by sintering, wherein the solidification and molding are carried out in a magnetic field of 1T or higher.